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THE CHICAGO MEETING OF THE NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS

The business meeting was called to order at 10 o'clock A. M. by Dr. J. H. Minnick, President of the Council.

The Secretary read the minutes of the last meeting, which were approved.

The Secretary then reported on the mailing list of MATHEMATICS TEACHER, giving the total number of copies mailed out for February, 1922, as 2,681, and giving the number in each of the states. The report of the finances of the journal indicate that the Council is solvent, and gives promise of continued and increased usefulness.

There was considerable discussion of the need for greatly increasing the number of subscribers of MATHEMATICS TEACHER, and of methods of effectively bringing the journal and its possibilities to the attention of mathematics teachers throughout the country.

Vigorous propaganda on behalf of MATHEMATICS TEACHER is to be carried on by representatives of the National Council at all meetings of state and local organizations of teachers of mathematics during the coming year.

Mr. J. R. Clark, editor of MATHEMATICS TEACHER, reported that the publisher has finally succeeded in getting up a schedule for the regular appearance of the journal; and that in the future there probably will be few delays. There is much available material, and enthusiastic co-operation in securing good material in some centers. More attention should be given in the future, by local representatives, to the matter of providing complete reports of meetings of teachers of mathematics, and to transmitting copies of papers presented at these meetings for publication. Various speakers stressed the importance of enabling representatives to say that paper will appear later in the pages of MATHEMATICS TEACHER.

On motion, the Chairman was authorized to appoint a publicity committee to advertise the National Council and MATHEMATICS TEACHER.

The impossibility of any conflict of interest between the Central Association of Science and Mathematics Teacher and the

National Council was briefly commented upon by Alfred Davis, President of the Central Association. President Minnick emphasized the importance of local organizations.

On motion the question of revision of the section in the constitution referring to membership was referred to the Executive Committee.

On motion, the question of increasing the number of the Executive Committee was referred to the latter body.

On motion, the question of becoming a department of the N. E. A. was referred to the Executive Committee.

On motion by Mr. Austin, the Chairman was authorized to appoint a committee to confer with the new President of the Department of Superintendence of the National Education Association with a view to re-establish relations with the Department of Superintendence.

The following members of the Executive Committee were present at its meeting: Dr. Minnick, E. H. Taylor, Miss Worden, Mr. C. M. Austin, Miss Gule, Mr. Foberg.

The Executive Committee took the following action on questions referred to it:

It was moved that all reference to collective membership in the constitution be stricken out. Carried.

It was moved by Miss Gule that the Secretary be instructed to publish regularly in *MATHEMATICS TEACHER*, a list of the state representatives of the National Council. Carried.

On motion, it was decided not to become a department of the National Education Association.

At the afternoon meeting of the National Council, the action taken by the Executive Committee on these various questions was reported and approved.

President Minnick announced the following committees:

Nominating Committee: Mr. C. M. Austin, Oak Park, Ill.; Miss L. Carter, St. Joseph, Mo.; Mr. C. B. Walsh, Philadelphia, Pa.

Publicity: John R. Clark, Raleigh Schorling, C. B. Walsh.

The remainder of the afternoon was taken up with the program.

Dr. Kinney of the Crane Junior College, Chicago, read a paper on "The Function Concept in Secondary School Mathematics."

Prof. J. W. Young reported on "Some Aspects of the Work of the National Committee on Mathematical Requirements."

Prof. Slaught occupied the place assigned originally to Prof. Hedrick, and talked in interesting fashion of the various methods that have been proposed for reorganizing secondary school mathematics, and of the possibilities for economizing time in mathematics education. Mr. Breslich and Mr. W. W. Hart discussed aspects of the questions raised by Prof. Slaught.

Mr. Alfred Davis spoke on "Some Problems in Secondary School Mathematics."

Shortly after the adjournment of the afternoon session, the members of the National Council sat down to a dinner, arranged jointly by the two mathematics clubs of Chicago and its vicinity. Our enjoyment of the banquet was greatly increased by the seating arrangements thoughtfully planned in advance by the Committee with Mrs. Devereaux as chairman.

At the close of the dinner, Prof. Slaught presided genially and efficiently as toastmaster.

His first duty was to receive the report of the Nominating Committee, made by Mr. C. M. Austin. The following names were put in nomination, and the report unanimously approved: For President, Prof. J. H. Minnick, of Philadelphia; for Vice President, Miss Eula Weeks of St. Louis; for Executive Committee, Gertrude Allen, Oakland, Cal., and Mr. Rankin, of North Carolina.

Mr. W. D. Reeve spoke on the theme, "General Mathematics."

Prof. G. W. Myers spoke on the theme, "Reactionary vs. Progressive in Mathematics Teaching."

Mr. Schorling discussed, in happy fashion, the question: "Is Mathematics Teaching Responding to Modern Demands in Secondary Education?"

Dr. Minnick spoke inspiringly of the possibilities that lie before the National Council in the direction of influencing the teaching of mathematics.

At the close of the long day of meetings and discussions, all agreed that the time had been profitably spent. Much credit was given the very efficient committees that had in charge the arrangements for the various meetings.

J. A. FOBERG, *Secretary-Treasurer.*

THE following named persons registered at the meetings of the National Council:

Gertrude E. Allen, University High School, Oakland, Cal.; Gladys Crisman, Blue Island High School, Blue Island, Ill.; E. H. Taylor, Eastern State Teachers' College, Charleston, Ill.; E. R. Breslich, School of Education, University of Chicago; Fannie J. Brown, Crane Technical High School, Chicago, Ill.; Mary Devereux, Austin High School, Chicago, Ill.; William W. Gorsline, Crane Junior College, Chicago, Ill.; Anna E. Hill, Crane Technical High School, Chicago, Ill.; Ruth E. Hopewell, Hyde Park High School, Chicago, Ill.; Frances I. Hubler, Tilden Technical High School, Chicago, Ill.; Ethel Jaynes, Lane Technical High School, Chicago, Ill.; Stella M. Johnson, Tilden Technical High School, Chicago, Ill.; Lillian E. Kurtz, Fenger High School, Chicago, Ill.; F. R. Liddil, Crane Technical High School, Chicago, Ill.; Myrta E. Mercill, Bowen High School, Chicago, Ill.; Wilson L. Miser, Armour Institute of Technology, Chicago, Ill.; G. W. Myers, College of Education, University of Chicago; George W. Oldfather, Crane Technical High School, Chicago, Ill.; C. J. Palmer, Armour Institute of Technology, Chicago, Ill.; Cora B. Peerstone, Crane High School, Chicago, Ill.; C. A. Peterson, Carl Schurz High School, Chicago, Ill.; J. C. Piety, Crane Technical High School, Chicago, Ill.; Miss N. M. Quinn, Tilden Technical High School, Chicago, Ill.; Beulah I. Shoesmith, Hyde Park High School, Chicago, Ill.; Mrs. Ruth O. Witt, Tilden Technical High School, Chicago, Ill.; G. A. Sorrich, Elmhurst Junior College, Elmhurst, Ill.; Clara L. Hughes, Evanston Township High School, Evanston, Ill.; M. Estelle Nash, Evanston Township High School, Evanston, Ill.; M. J. Newell, Evanston High School, Evanston, Ill.; George G. Taylor, High School, Highland Park, Ill.; Christine H. MacMartin, High School, Highland Park, Ill.; Dorothy Hinman, High School, Highland Park, Ill.; Margaret E. Mills, Deerfield Shields High School, Highland Park, Ill.; Florence J. Morgan, Deerfield Shields High School, Highland Park, Ill.; Earl L. Thompson, Junior College and Township H. S., Joliet, Ill.; George A. Harper, New Trier, Kenilworth, Ill.; M. Hildebrandt, Proviso Township High School, Maywood, Ill.; Edwin W. Schreiber, Proviso Township High School, Maywood, Ill.; Dorothy Wagner, Proviso Township High School, Maywood, Ill.; M. W. Coultrap,

Northwestern College, Naperville, Ill.; C. M. Austin, Oak Park, Ill.; Mrs. Elsie Parker Johnson, Oak Park High School, Oak Park, Ill.; H. W. Chandler, Rockford High School, Rockford, Ill.; Miss Georgiana H. Fischer, St. Charles High School, St. Charles, Ill.

Bonnie L. Shoop, Streator Township High School, Streator, Ill.; Ernest B. Lytle, University of Illinois, Urbana, Ill.; Bess Dady, Waukegan Township Junior School, Waukegan, Ill.; Margaret M. Dady, Waukegan Township Junior H. S., Waukegan, Ill.; Grace I. Smith, Waukegan Junior High School, Waukegan, Ill.; R. H. Shanks, Culver Military Academy, Culver, Ind.; S. R. Wells, East Chicago, Ind.; W. G. Gingery, Shortridge High School, Indianapolis, Ind.; Kate Wentz, Emmerich Manual High School, Indianapolis, Ind.; John E. Dotterer, Manchester College, North Manchester, Ind.; Ira S. Condit, Iowa State Teachers' College, Cedar Falls, Iowa; A. A. Ellsworth, Amasa, Mich.; Sadie M. Alley, Northwestern High School, Detroit, Mich.; Harry M. Keal, Cass Technical High School, Detroit, Mich.; J. V. McNally, Northwestern High School, Detroit, Mich.; Mabel C. Woodward, Western High and Teachers' College, Detroit, Mich.; Orpha E. Worden, Detroit Teachers' College, Detroit, Mich.; Isaac M. DeVoe, Highland Park High School, Highland Park, Mich.; W. D. Reeve, University High School, Minneapolis, Minn.; Leolian Carter, Central High and Junior College, St. Joseph, Mo.; Alfred Davis, Soldan High School, St. Louis, Mo.; Albert H. Huntington, Cleveland High School, St. Louis, Mo.; J. W. Young, Dartmouth College, Hanover, N. H.; J. R. Clark, Lincoln School, New York City; Raleigh Schorling, The Lincoln School of Teachers' College, New York City; Arthur F. M. Petersilge, East High School, Cleveland, Ohio; Marie Gogle, Assistant Superintendent of Schools, Columbus, Ohio; E. C. Vermillion, State Department of Education, Columbus, Ohio; J. A. Foberg, Director of Mathematics in Pennsylvania, Harrisburg, Pa.; J. H. Minnick, University of Pennsylvania, Philadelphia, Pa.; C. B. Walsh, Friends' School, Philadelphia, Pa.; Ethel L. Budd, Appleton High School, Appleton, Wis.; Ethel S. Carter, Appleton High School, Appleton, Wis.; Esther M. Raaf-laub, Deerfield High School, Deerfield, Wis.; Dora E. Kearney, High School, Fennemore, Wis.; Mrs. Sarah E. Decker, Fond du Lac High School, Fond du Lac, Wis.; Elizabeth Churchill, Kem-

per Hall, Kenosha, Wis.; Mary Louise Williams, Kenosha High School, Kenosha, Wis.; L. K. Adkins, State Normal School, La Crosse, Wis.; Walter W. Hart, University of Wisconsin, Madison, Wis.; Ruth M. Allen, Riverside High School, Milwaukee, Wis.; Henry Ericson, Washington High School, Milwaukee, Wis.; Elder L. Swanson, Riverside High School, Milwaukee, Wis.; Paul W. Waterman, Milwaukee Country Day School, Milwaukee, Wis.; Mrs. Rose Wagner Bruins, Racine High School, Racine, Wis.; Ida E. Howe, Racine High School, Racine, Wis.; Anna L. Neitzel, Racine High School, Racine, Wis.; Mary A. Potter, Racine High School, Racine, Wis.; Dorothy A. Rott, Racine High School, Racine, Wis.; Florence L. Stockly, Racine High School, Racine, Wis.; Mrs. Jean Cowles, Stoughton High School, Stoughton, Wis.; O. H. Bigelow, Whitewater, Wis.

RESEARCH DEPARTMENT*

Purpose of a Research Department. Many teachers realize that the results of their teaching could be markedly improved by the solution of a number of problems. For example, we do not know definitely the best method for making our pupils more accurate in computation. It would be easy to make a long list of problems that challenge careful thought. THE MATHEMATICS TEACHER may possibly serve as a means of mobilizing thought on these problems and as an organ for placing the valid claims of mathematics with reference to the debated questions before the public. Some problems require that the data be assembled from many sources, reflecting a wide selection of pupils, teachers, courses and the like. It seems that THE MATHEMATICS TEACHER can be particularly helpful in attacking problems that require extensive cooperation. It is fascinating to speculate what forward strides the teaching of mathematics might be able to take if three mathematics teachers in each State gave from two to four hours each month to the solution of some one well-defined problem.

*Beginning with this month, The Mathematics Teacher will include a section devoted to Research Problems. Communications should be directed to Mr. Raleigh Schorling, who is in charge of this department.